

# MSFC Safety *Bulletins*

## Monorail Hoist Close Call

### What Happened:

Recently, a 2-ton hoist fell from a monorail while lifting a piece of equipment at MSFC.

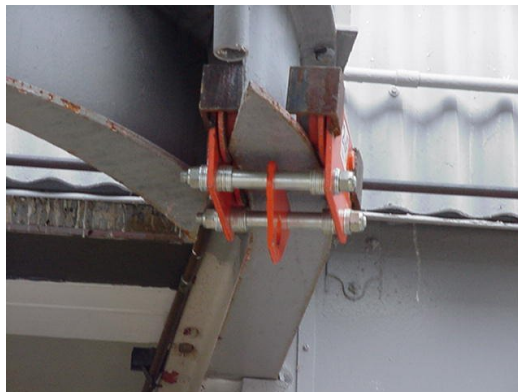
### What Caused This:

The monorail system had originally been installed at Marshall during the 1960's with a 3-ton hoist. This particular monorail had a section of movable rail that was able to switch between a rail system inside the room to a rail system outside the room. There was a stop installed on the monorail to stop the 3-ton hoist if the movable rail section was moved. The 2-ton hoist was installed at a later date and was physically smaller than the larger hoist. It was unknown that the 2-ton hoist could move past the stop on the rail.

As the piece of equipment was being lifted, the hoist centered itself above the load. The 2-ton hoist then moved past the stop and fell from the monorail. Fortunately, there were no personal injuries and no reportable property damage.

### Recommended Corrective Action:

1. Procurement of all stationary lifting equipment must comply with the design/hardware requirements contained in NSS/GO 1740.9, "Safety Standards for Lifting Devices and Equipment", as required by Marshall Work Instruction MWI 6430.1, "Lifting Equipment and Operations".
2. The coordination of this function is the responsibility of the Facilities Engineering Department.
3. The Facilities Engineering Department must approve procurement or modifications of all stationary lifting equipment.
4. MWI 5100.1A, "Procurement Initiators Guide" requires compliance with MWI 6430.1, "Lifting Equipment and Operations".



These pictures only show the trolley - the hoist has been removed.